

**DEPARTMENT OF MECHANICAL & INDUSTRIAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Advt. No.: MIED/PDF/ 1884

Dated: 15-Sept-2025

**ADVERTISEMENT FOR POSTDOCTORAL FELLOWSHIP (PDF) POSITION**

The Department of Mechanical & Industrial Engineering at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for the following position.

Position	Post-Doctoral Fellow (PDF)	Number of position(s)	01
Project Title	Development of an Advanced Particulate Dispersion Model for Vehicle Wake		
Mentor	Prof. Sushanta Dutta, Department of Mechanical & Industrial Engineering, IIT Roorkee		
Duration of Fellowship	Full-time, Two Years.		
Consolidated Fellowship (per month)	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Rs. 80,000	Rs. 80,000	
Contingency (per year)	Rs. 50,000		

**MINIMUM ELIGIBILITY CONDITIONS:**

- The candidate must have submitted/completed a Ph.D. thesis in Mechanical Engineering/ Chemical Engineering focused on Computational Fluid Dynamics (CFD) / Experimental fluid mechanics.
- The candidate must have proven knowledge/experience in fluid mechanics, advanced engineering mathematics, and the application of CFD tools (ANSYS, COMSOL, etc).
- The candidate must have published 2 – 3 international refereed high-quality SCI (Science Citation Index) journal articles, as a first author from his/her Ph.D. research on experimental or numerical fluid mechanics.

**SALIENT POINTS:**

- The prospective candidate must possess the minimum eligibility conditions mentioned above.
- The candidate should be passionate about working on cutting-edge research, leading to high-impact publications.
- Apart from research activities under the above project, the candidate will be entrusted with other academic responsibilities, including mentoring UG/PG students, participating in research discussions, and other activities as deemed fit by the mentor.
- *The candidate is expected to join the department as soon as the offer letter is released.*
- Post-doctoral Fellows will be registered as students and may avail facilities of the library, computer center, available hospital facilities etc. They will be entitled to 2.5 days of leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.

**APPLICATION PROCEDURE:**

Candidates should apply with a (a) covering letter, (b) detailed CV, (c) list of publications from own Ph.D. work, (d) a research statement describing past research experience and future research plans, (e) Justification of suitability of eligibility and experience for the position, in a single PDF file named "*Candidate Name\_Ph.D. Institute\_Year of Ph.D*" and **submit by e-mail** with subject "*Application for PDF\_Advt. No.*" to the Head, Department of Mechanical & Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee -247667, Uttarakhand, India. E-mail: [head@me.iitr.ac.in](mailto:head@me.iitr.ac.in), [sushanta@me.iitr.ac.in](mailto:sushanta@me.iitr.ac.in)

**Last date for application: 30 September 2025**

*Abhay Datta*  
16/9/25  
विभागाध्यक्ष, यांत्रिक एवं औद्योगिक अभियांत्रिकी विभाग  
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